

PATENT  
US Serial No. 09/970,453

Attorney Docket No. 02174-00241US

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Name: Greg Heinkel

Signed: *GH*

Date: Dec 30, 2003

DEC 30 2003

OFFICIAL

Appl. No.	:	09/970,453	Confirmation No. 9637
Applicant	:	Eyal and Quake	
Filed	:	10/02/2001	
TC/AU	:	1641	
Examiner	:	Cook, Lisa V.	
Docket No.	:	020174-002410 US	
Customer No.	:		

Commissioner for Patents

P.O. Box 1450

Alexandria VA 22313-1450

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#### AMENDMENT

Sir:

In response to the Office action mailed October 2, 2003, please amend the above-identified application as follows and consider the accompanying remarks:

**Amendments to the Specification - NONE.**

**Amendments to the Claims** are reflected in the listing of claims which being on page 2 of this paper.

**Amendments to the Drawings - NONE**

**Remarks/Arguments begin on page 6 of this paper.**

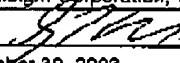
PTO/SB/21 (08-03)

Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence after initial filing)</i>		Application Number	09/970,453	<b>RECEIVED</b> <b>CENTRAL FAX CENTER</b> <b>DEC 30 2003</b> <b>OFFICIAL</b>
		Filing Date	Oct 2, 2001	
		First Named Inventor	Eyal, Shulamit	
		Art Unit	1641	
		Examiner Name	Lisa V. Cook	
Total Number of Pages in This Submission	10	Attorney Docket Number	02174-002410US	

ENCLOSURES (check all that apply)			
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input checked="" type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):	
		Remarks	
		PLEASE DO NOT CHANGE CORRESPONDENCE ADDRESS	

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Filed under 37 USC 1.34(a) by Gregory L. Heinkel, Reg. No. 44,755 c/o Fluidigm Corporation, 7100 Shoreline Court, So. San Francisco, CA 94080 (650) 266-6036
Signature	
Date	December 30, 2003

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.P. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Type or printed name	Gregory L. Heinkel		
Signature		Date	December 30, 2003

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/17 (10-03)

Approved for use through 07/31/2008. OMB 0651-0032

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

 Applicant Claims small entity status. See 37 CFR 1.27TOTAL AMOUNT OF PAYMENT **\$1,912.00** **210 00**

Complete if Known

Application Number	09/970,453
Filing Date	10/2/2001
First Named Inventor	Eyal, et al.
Examiner Name	Cook, Lisa V.
Art Unit	1641
Attorney Docket No.	02174-002410US

## METHOD OF PAYMENT (check all that apply)

 Check  Credit card  Money Order  Other  None Deposit Account

Deposit Account Number	502508
Deposit Account Name	Fluidigm Corporation

The Director is authorized to: (check all that apply)

- Charge fee(s) indicated below  Credit any overpayments  
 Charge any additional fee(s) or any underpayment of fee(s)  
 Charge fee(s) indicated below, except for the filing fee to the above identified deposit account.

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code (\$)	Fee Code (\$)	Fee (\$)	
1001 770	2001 385	Utility filing fee	
1002 340	2002 170	Design filing fee	
1003 530	2003 265	Plant filing fee	
1004 770	2004 385	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	

SUBTOTAL (1) (\$)

## 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Independent Claims	Extra Claims	Fee from below	Fee Paid
<input type="text"/>	-20--	<input type="text"/>	x <input type="text"/>	= <input type="text"/>
<input type="text"/>	-3**=	<input type="text"/>	x <input type="text"/>	= <input type="text"/>

## Multiple Dependent

Large Entity	Small Entity	Fee Description
Fee Code (\$)	Fee Code (\$)	Fee (\$)
1202 18	2202 9	Claims in excess of 20
1201 86	2201 43	Independent claims in excess of 3
1203 290	2203 145	Multiple dependent claim, if not paid
1204 86	2204 43	**Reissue Independent claims over original patent
1206 18	2205 9	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$)

\*\* or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

## 3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code (\$)	Fee Code (\$)	Fee (\$)	
1051 130	2051 85	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for ex parte reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 420	2252 210	Extension for reply within second month	210.00
1253 950	2253 475	Extension for reply within third month	
1254 1,480	2254 740	Extension for reply within fourth month	
1255 2,010	2255 1,005	Extension for reply within fifth month	
1401 330	2401 165	Notice of Appeal	
1402 330	2402 165	Filing a brief in support of an appeal	
1403 290	2403 145	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavailable	
1453 1,330	2453 665	Petition to revive - unintentional	
1501 1,330	2501 665	Utility issue fee (or reissue)	
1502 480	2502 240	Design issue fee	
1602 640	2603 320	Plant issue fee	
1450 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1806 180	1806 160	Submission of Information Disclosure Stmt	
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 770	2809 385	Filing a submission after final rejection (37 CFR 1.129(e))	
1810 770	2810 385	For each additional invention to be examined (37 CFR 1.129(b))	
1801 770	2801 385	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$210.00)

## SUBMITTED BY

Complete if applicable

Name (Print/Type)	Gregory Heinkel -	Registration No. (Attorney/Agent)	44755	Telephone	850.266.6036
Signature				Date	Dec 30, 2003

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